

Amendments to the Claims

1-22. (Canceled)

23. (Currently amended) A laser imagible apparatus comprising:
a lens;
a media tray; and
an adjustment mechanism configured ~~(a)~~ to determine a voice coil gain for substantially all locations on a media based on a sum signal at each location and an input voice coil slew rate.

24. (Original) The laser imagible apparatus according to claim 23, wherein the adjustment mechanism is also configured ~~(b)~~ to adjust a distance between the lens and a media on the media tray in response to the voice coil gain determined at each location on the media.

25. (Original) The laser imagible apparatus according to claim 24, wherein the adjustment mechanism is configured to adjust the lens to be at a predetermined offset distance with respect to a distance corresponding to an optimum focus at substantially all locations on a media in the media tray.

26. (Currently amended) A laser imagible apparatus comprising:
a lens;
a media tray; and
an adjustment mechanism configured to determine a voice coil gain for substantially all locations on a media in the media tray and, in response to the voice coil gain determined at each location on the media, to adjust a distance between the lens and the media to be at a predetermined offset distance with respect to a distance corresponding to an optimum focus. ~~The laser imagible apparatus according to claim 25,~~ wherein if $0\mu\text{m}$ is defined as the distance at which the lens is in optimum focus with respect to the ~~the~~ [[a]] media, the predetermined offset distance is between about ~~[[-]]~~ 80 μm

from the optimum focus distance toward the media and about ~~[[+]]~~ 20 μ m from the optimum focus distance away from the media from disc.

27. (Currently amended) The laser imangible apparatus according to claim ~~26~~ 25, wherein if ~~0 μ m is defined as the distance at which the lens is in optimum focus with respect to a media~~, the predetermined offset distance is about 30 μ m from the optimum focus distance toward the media disc.

28-30. (Canceled)

31. (Currently amended) An optical drive comprising:
a lens;
a disc tray;
means for determining a voice coil gain for substantially all locations on a disc in the disc tray; and
means for, in response to the voice coil gain determined at each location on the disc, adjusting a distance between the lens and the disc to be at a predetermined offset distance with respect to a distance corresponding to an optimum focus. ~~The optical drive according to claim 30~~, wherein if 0 μ m is defined as the distance at which the lens is in optimum focus with respect to the ~~[[a]]~~ disc, the predetermined offset distance is between about ~~[[-]]~~ 80 μ m from the optimum focus distance toward the disc and about ~~[[+]]~~ 20 μ m from the optimum focus distance away from the disc.

32. (Currently amended) The optical drive according to claim ~~31~~ 30, wherein if ~~0 μ m is defined as the distance at which the lens is in optimum focus with respect to a disc~~, the predetermined offset distance is about 30 μ m from the optimum focus distance toward the disc.

33.(New) An optical drive comprising:

a lens;

a media holder; and

an adjustment mechanism configured to determine a voice coil gain for a location on a media in the media holder and to use the determined voice coil gain to adjust a distance between the lens and the media at the location to be at a predetermined offset distance with respect to a distance corresponding to an optimum focus, wherein if 0 μ m is defined as the distance at which the lens is in optimum focus with respect to the media, the predetermined offset distance is between about 80 μ m from the optimum focus distance toward the media and about 20 μ m from the optimum focus distance away from the media.

34.(New) The optical drive according to claim 33, wherein the adjustment mechanism is configured to determine a voice coil gain iteratively for each of substantially all locations on the media to adjust the distance between the lens and the media at each location.

35.(New) An optical drive comprising:

a lens;

a media holder;

an adjustment mechanism for adjusting a distance between the lens and a media in the media holder, the adjustment mechanism configured to determine a voice coil gain for a location on the media based on a sum signal at the location and an input voice coil slew rate.

36.(New) The optical drive according to claim 35, wherein the adjustment mechanism is configured to determine a voice coil gain iteratively for each of substantially all locations on the media based on a sum signal at each location and an input voice coil slew rate.